



**ENGLISH
USER MANUAL**

HQ-CHARGER71
HQ 2-3 HOURS COMPACT AA/AAA
CHARGER WITH LCD DISPLAY



READ INSTRUCTION BEFORE CHARGING

Owner's Manual

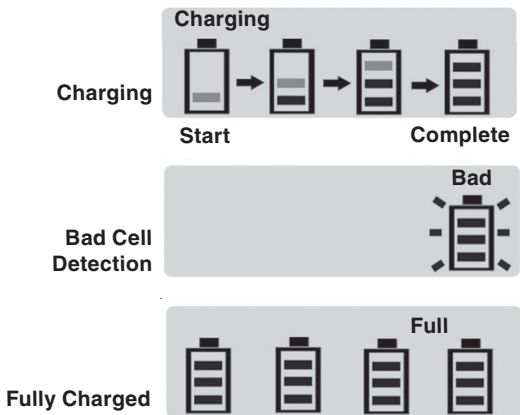
Please read this manual carefully. It contains important operating instructions. This 2-3 hours Ni-MH LCD Charger will quickly and efficiently charge all high capacity AA or AAA Nickel Metal-Hydride (Ni-MH) batteries.

Warning:

- Batteries are not charged as shipped. Must be charged prior to use.
- Charge **only** Ni-MH type batteries on this charger.
- Batteries may leak or explode causing personal injury if inserted improperly, disposed of in fire, mixed with other battery types, or short circuited.

Features:

- Especially designed with Electric blue LCD display to indicate the charging status.
- Recharges 2 piece or 4 pieces **high capacity** of AA or AAA Ni-MH batteries at a time.
- Powered by the supplied swtching mode AC aaptor (input :100-240V AC) when using at indoor or by the supplied DC Car Adaptor when using in a vehicle.
- Microprocessor Controlled – Battery life well protected by negative delta V cut-off function and timer protection.
- Unique design with an adjustable battery contact plate that makes a good & solid contact with AA & AAA batteries.
- Easy Check of the battery status by LCD Display.



Safety Features:

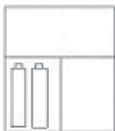
- Negative delta V cut-off function
- Safety timer to prevent overcharge
- Short circuit protection
- Reverse-polarity protection
- Bad cell Detection

Charging Instructions

1. Slide the switch to select the number of battery to be charged. For charging 2 cells, set the switch to position "2". For charging 4 cells, set the switch to position "4".

2. Insert 2 or 4 pieces of AA/AAA rechargeable Ni-MH batteries into the battery compartment; battery must be charged in pairs. For charging only 2 cells, insert the batteries to the left side of the charging terminal. (Fig. 1)

(Fig. 1)



3. Make correct contact for polarity (+ and -); according to the sign in the battery compartment.
4. Charge either AA or AAA size at a time.
5. ***When using indoor***

Connect the supplied AC adaptor's barrel plug into the jack on the back of the charger. Plug the AC adaptor into household electric outlet. The switching power supply will adjust automatically.

Caution: The supplied AC adaptor supplies 12VDC and delivers 600mA, and its plug fits into the charger's **DC input jack**. Using an adaptor that does not meet these specifications could damage the charger.

When using in a vehicle

Connect the supplied DC car adaptor's barrel plug into the charger's **DC input jack**. Plug the large end of the cord into the 12V car lighter power port.

6. The LCD will indicate the proper charging. After the batteries are fully charged, the word "Full" will indicate on the LCD screen to indicate the trickle charge. The charged batteries are ready for use. (Fig.B)
7. Unplug the charger and remove the batteries from the charger when not in use.
8. Begin again at Step 1 to charge the next set of batteries.

Bad Cell Detection:

When charge process is started, the charger detects the health status of each of the cells in the battery compartment. If any battery is unsuitable for charging. i.e. short circuit or reversed polarity, the word "Bad" will indicate on the LCD screen and "battery" icon will flash. (Fig. A)

Specifications:

Charge rate :	2xAA – 1150mA 4xAA – 800mA 2xAAA – 600mA 4xAAA – 420mA
Trickle charge rate :	AA size – 60mA AAA size – 35mA

Charging time :

Size	Charging current	Ni-MH	Charging time (FOR 2 PCS)	Charging time (For 4 PCS)
AA	1150mA for charging 2 PCS batteries OR 800mA for Charging 4 PCS batteries	1800mAh	90 minutes	135 minutes
		2000mAh	100 minutes	150 minutes
		2200mAh	110 minutes	165 minutes
		2400mAh	120 minutes	180 minutes
		2600mAh	130 minutes	195 minutes
		2800mAh	140 minutes	210 minutes
AAA	600mA for charging 2 PCS batteries OR 420mA for Charging 4 PCS batteries	700mAh	70 minutes	100 minutes
		800mAh	80 minutes	110 minutes
		900mAh	90 minutes	120 minutes
		1000mAh	100 minutes	130 minutes
		1100mAh	110 minutes	140 minutes

*Charge time will vary depending upon the brand, capacity and condition of batteries being charged.

Important Safety Instructions

1. Before charging, read instruction.
2. This charger is intended for use with Nickel-metal-hydride rechargeable batteries only. Attempting to charge other types of batteries may cause personal injury and damage to the charger.
3. Do not expose charger to rain or moisture. For indoor use only.
4. Remove from mains when not in use.
5. Never use an extension cord or any attachment not recommended by manufacturer, otherwise this may result in a risk of fire, electric shock or injury to persons.
6. Do not operate the charger if it has been subjected to shock or damage. Take it to a qualified serviceman for repair.
7. Do not disassemble the charger. Incorrect reassemble may result in a risk of electric shock or fire.
8. Unplug the charger from outlet before attempting any maintenance of cleaning.
9. This power unit is intended to be correctly orientated in a vertical or floor mount position.
10. The appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
11. Before scrapping your charger, remove the batteries from the unit and make sure they are disposed of safely.

